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Physiological and biochemical characteristic features of small-leaved lime(Tilia Cordata Mill.) in urban environment

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Abstract

© 2014 AENSI Publisher All rights reserved. The article presents the physiological and biochemical features of small-leaved lime growing in urban plantings of different ecological categories: parklands, highways and plantations of sanitary protective zones of industrial enterprises. The content of photosynthetic pigments, secondary metabolites - tannin and ascorbic acid, peroxydase enzyme activity in leaves is significantly influenced by the degree of technogenic impact, vegetation period and the spatial orientation of the assimilatory organs of plants.

Keywords

Ascorbic acid, Carotinoids, Chlorophylls a and b, Peroxydase activity, Small-leaved lime, Tannins, Woody plants